



Autumn Term 2023															
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7 Plus 2 days	Half Term	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
Nursery	Explore the autumn environment Understand the key features of the life cycle of a human. Learn about how to take care of themselves. Learn about their senses								Explore materials with different properties Shape and join materials. Combine and mix ingredients. Change materials by heating and cooling including cooking. Explore collections of materials with similar and or different properties. Talk about the differences between materials and changes they notice						
Puffins R	(Seasons, Autumn, Harvest) Play, explore and observe living things in autumn (in all weather). Learn how to take care of themselves. Observe, measure and record how materials change when heated and cooled. Describe people who are familiar to them.								Explore a range of materials including natural materials. Compare how materials change over time and in different conditions. Explore how the wind can move objects.						
Puffins 1	Animals including Humans Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense. Observe autumn changes. Describe weather associated with autumn and how day length varies.								Everyday Materials Distinguish between an object and the material from which it is made. Identify and name a variety of everyday materials including wood, plastic, glass, metal, water and rock.						
Choughs 2	Living Things and their Habitats Explore and compare the differences between things that are living, dead, and things that have never been alive. Identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other. Identify and name a variety of plants and animals in their habitats, including micro-habitats. Describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food.								Animals including Humans Notice that animals, including humans, have offspring which grow into adults. Find out about and describe the basic needs of animals, including humans, for survival (water, food and air). Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.						
Choughs 3	Light (Y3) Recognise that they need light in order to see things, and that dark is the absence of light. Notice that light is reflected from surfaces. Recognise that light from the sun can be dangerous and that there are ways to protect their eyes. Recognise that shadows are formed when the light from a light source is blocked by an opaque object. Find patterns in the way that the size of shadows change.								Sound (Y4) Identify how sounds are made, associating some of them with something vibrating. Recognise that vibrations from sounds travel through a medium to the ear. Find patterns between the pitch of a sound and features of the object that produced it. Find patterns between the volume of a sound and the strength of the vibrations that produced it. Recognise that sounds get fainter as the distance from the sound source increases.						
Choughs 4															
Razorbills 5	Forces (Y5) Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object. Identify the effects of air resistance, water resistance and friction that act between moving surfaces. Recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.								Earth and Space (Y5) Describe the movement of the Earth, and other planets, relative to the Sun in the solar system. Describe the movement of the Moon relative to the Earth. Describe the Sun, Earth and Moon as approximately spherical bodies. Use the idea of the Earth’s rotation to explain day and night and the apparent movement of the Sun across the sky.						
Razorbills 6															

Spring Term 2024															
	Week 1 (2 days)	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Half Term	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
Nursery	Explore the environment in winter Explore a range of instruments that make different sounds Repeat actions that have an effect Identify electrical devices. Use battery powered devices. Listen to sounds. Make sounds. Explore how things work.								Explore natural materials indoors and outside. Explore light sources. Shine lights on or through different materials. Explore and talk about different forces they can feel.						
Puffins R	Explore how to change how things work. Explore how objects move in water. Play, explore living things in winter (in all weather)								Make objects from different materials including natural materials. Learn about Earth, the sun, moon, planets and stars. Learn about space travel.						
Puffins 1	Observe winter changes. Describe weather associated with winter and how day length varies. Everyday materials describe the simple physical properties of a variety of everyday materials. Compare and group together a variety of everyday materials on the basis of their simple physical properties.								STEM; Space; Scientist; Working scientifically						
Choughs 2	Uses of Everyday Materials Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses. Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.								STEM; Space; Scientist; Working scientifically						
Choughs 3	States of Matter (Y4) Compare and group materials together, according to whether they are solids, liquids or gases. Observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (°C). Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.								STEM; Space; Scientist; Working scientifically						
Choughs 4															
Razorbills 5	Light (Y6) Recognise that light appears to travel in straight lines. Use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye. Explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes. Use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.								STEM; Space; Scientist; Working scientifically						
Razorbills 6															

Summer Term 2024															
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Half Term	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14 Plus 3 days
Nursery	<p>Explore the environment in spring</p> <p>Explore and respond to different natural phenomena in their setting and on trips (plants)</p> <p>Plant seeds and care for growing plants.</p> <p>Use all their senses in hands-on exploration of natural objects from the surrounding environment.</p> <p>Understand the key features of the life cycle of a plant.</p> <p>Explore the surrounding natural environment</p>								<p>Explore the environment in summer</p> <p>Identify animals and their babies in their surrounding environment.</p> <p>Explore and respond to different natural phenomena in their setting and on trips (animals)</p> <p>Understand the key features of the life cycle of an animal.</p> <p>Compare adult animals to their babies. Observe how baby animals change over time.</p> <p>Talk about what they see using a wide vocabulary</p> <p>Begin to understand the need to respect and care for the natural environment and all living things.</p>						
Puffins R	<p>Explore plants in the surrounding natural environment.</p> <p>Explore the animals in the surrounding natural environment.</p> <p>Explore plants and animals in a contrasting natural environment.</p> <p>Play, explore and observe living things in spring (in all weather).</p>								<p>Name and describe animals that live in different habitats.</p> <p>Describe different habitats.</p> <p>Play, explore and observe living things in summer (in all weather).</p>						
Puffins 1	<p>Observe spring changes. Describe weather associated with spring and how day length varies.</p> <p>Plants</p> <p>Identify and name a variety of common, wild and garden plants including deciduous and evergreen trees.</p> <p>Identify and describe the basic structure of a variety of common flowering plants including trees.</p>								<p>Observe summer changes. Describe weather associated with summer and how day length varies.</p> <p>Animals including Humans</p> <p>Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals.</p> <p>Identify and name a variety of common animals that are carnivores, herbivores and omnivores.</p> <p>Describe and compare the structure of a variety of common animals (including fish, amphibians, reptiles, birds and mammals including pets).</p>						
Choughs 2	<p>Plants (Y2)</p> <p>Observe and describe how seeds and bulbs grow into mature plants.</p> <p>Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.</p>								<p>Enrichment- Plants; Habitats</p>						
Choughs 3	<p>Plants (Y3)</p> <p>Identify and describe the functions of different parts of flowering plants: roots; stem/trunk; leaves; and flowers.</p> <p>Explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant.</p> <p>Investigate the way in which water is transported within plants.</p> <p>Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.</p>								<p>Animals including Humans (Y3)</p>						
Choughs 4									<p>Identify that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food – they get nutrition from what they eat.</p> <p>Identify that humans and some other animals have skeletons and muscles for support, protection and movement.</p> <p><i>*RSE will be taught here</i></p>						
Razorbills 5	<p>Living Things and their Habitats (Y5)</p> <p>Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird.</p> <p>Describe the life process of reproduction in some plants and animals.</p>								<p>Animals including Humans (Y5)</p>						
Razorbills 6									<p>Describe the changes as humans develop to old age.</p> <p><i>*RSE will be taught here</i></p>						